

according to the Globally Harmonized System

#### **Amprolium Formulation**

Version 3.0	Revision Date: 28.09.2024		S Number: 33877-00009	Date of last issue: 06.07.2024 Date of first issue: 21.05.2021
1. PROD	DUCT AND COMPANY ID	ENT	IFICATION	
Pro	Product name		Amprolium Formulation	
Mai	nufacturer or supplier's o	leta	ils	
Cor	mpany	:	MSD	
Adc	Iress	:	Briahnager - Off Wagholi - Pune -	Pune Nagar Road India 412 207
Tele	ephone	:	+1-908-740-4000	)
Em	ergency telephone numbe	r :	+1-908-423-6000	)
E-m	E-mail address		EHSDATASTEW	/ARD@msd.com
Rec	commended use of the c	hem	ical and restriction	ons on use
	commended use strictions on use	:	Veterinary produ Not applicable	ct

#### 2. HAZARDS IDENTIFICATION

#### Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

#### Classification

Not classified as hazardous according to criteria laid down in Part I of Schedule-1.

GHS Classification Skin corrosion/irritation	:	Category 1
Serious eye damage/eye irri- tation	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeated exposure (Oral)	:	Category 1 (Central nervous system)
GHS label elements		
Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H314 Causes severe skin burns and eye damage. H361 Suspected of damaging fertility or the unborn child.

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			damage to organs (Central nervous system) ged or repeated exposure if swallowed.
Precautionary statements		P260 Do not b P264 Wash ha P270 Do not e	ead and follow all safety instructions before use reathe mist or vapours. Inds thoroughly after handling. at, drink or smoke when using this product. otective gloves/ protective clothing/ eye protec- ection.
		Do NOT induct diately. P302 + P361 + all contaminate eral minutes. O P304 + P340 + and keep comf help immediate P305 + P354 + with water for s sent and easy help immediate P318 IF expos	- P338 + P316 IF IN EYES: Immediately rinse several minutes. Remove contact lenses, if pre- to do. Continue rinsing. Get emergency medica
		<b>Storage:</b> P405 Store loc	ked up.
		<b>Disposal:</b> P501 Dispose disposal plant.	of contents/ container to an approved waste

None known.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
Capotanico / Mixtaro	•	TVII/(COLO

Components

Chemical name	CAS-No.	Concentration (% w/w)
Amprolium	121-25-5	>= 20 - < 25

#### 4. FIRST AID MEASURES

General advice	<ul> <li>In the case of accident or if you feel unwell, seek medical advice immediately.</li> <li>When symptoms persist or in all cases of doubt seek medical advice.</li> </ul>
If inhaled	: If inhaled, remove to fresh air.



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In case of skin contact		:	If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. In case of contact, immediately flush skin with plenty of wat for at least 15 minutes while removing contaminated clothin and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.			
In case of eye contact		:	In case of contact for at least 15 mir If easy to do, rem	, immediately flush eyes with plenty of water nutes. ove contact lens, if worn.		
If swallowed		:	If vomiting occurs Call a physician o Rinse mouth thore	NOT induce vomiting. have person lean forward. r poison control centre immediately.		
Most important symptoms and effects, both acute and delayed		:	Causes serious e Suspected of dam	ye damage. haging fertility or the unborn child. o organs through prolonged or repeated wed. urns.		
	Protection of first-aiders Notes to physician		:	First Aid responde and use the recor when the potentia	and solution of the self-protection, nmended personal protective equipment I for exposure exists (see section 8). cally and supportively.	
5. FI	REFIG	HTING MEASURES				
	Suitable	e extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical		
	Unsuita media	ble extinguishing	:	None known.		
	Specific fighting	c hazards during fire-	:	Exposure to comb	pustion products may be a hazard to health.	
	Hazard ucts	ous combustion prod-	:	Carbon oxides		
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do	
	Special for firefi	protective equipment ighters	:		e, wear self-contained breathing apparatus. ective equipment.	

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6. ACCIDE	ENTAL RELEASE MEAS	SUF	RES	
Personal precautions, protec- tive equipment and emer- gency procedures		:		tective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
Environmental precautions :		:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or obarriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.	
Methods and materials for containment and cleaning up		:	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate cont ment to keep material from spreading. If dyked material be pumped, store recovered material in appropriate cont Clean up remaining materials from spill with suitable abs bent. Local or national regulations may apply to releases and posal of this material, as well as those materials and iter employed in the cleanup of releases. You will need to de mine which regulations are applicable. Sections 13 and 15 of this SDS provide information rega certain local or national requirements.	

#### 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe mist or vapours. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labelled containers. Store locked up. Keep tightly closed.
Materials to avoid	:	Store in accordance with the particular national regulations. Do not store with the following product types: Self-reactive substances and mixtures Organic peroxides



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3.0	28.09.2024	863387

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Oxidizing agents Explosives

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Amprolium	121-25-5	TWA	40 ug/m3 (OEB 3)	Internal
	Further information: DSEN			
		Wipe limit	140 ug/100cm2	Internal

Engineering measures :	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face contain- ment devices). Minimize open handling.
Personal protective equipmen	t
Respiratory protection:Filter type:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type
Hand protection	
Material :	Chemical-resistant gloves
Remarks : Eye protection :	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection :	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
Hygiene measures :	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

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				engineering contr appropriate degov	ration of a facility should include review of ols, proper personal protective equipment, wning and decontamination procedures, monitoring, medical surveillance and the tive controls.
9. P	HYSICA	AL AND CHEMICAL PI	ROP	ERTIES	
	Appear	ance	:	liquid	
	Colour		:	light yellow	
	Odour		:	No data available	9
	Odour	Threshold	:	No data available	9
	рН		:	2.0 - 3.0	
	Melting	point/freezing point	:	No data available	9
	Initial b range	oiling point and boiling	:	No data available	9
	Flash p	point	:	No data available	9
	Evapor	ation rate	:	No data available	9
	Flamm	ability (solid, gas)	:	Not applicable	
	Flamm	ability (liquids)	:	No data available	9
		explosion limit / Upper ability limit	:	No data available	9
		explosion limit / Lower ability limit	:	No data available	9
	Vapou	- pressure	:	Not applicable	
	Relativ	e vapour density	:	No data available	9
	Relativ	e density	:	No data available	9
	Density	/	:	0.900 - 1.100 g/c	m <sup>3</sup>
	Solubil Wat	ity(ies) ter solubility	:	No data available	9
	Partitio octano	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscosi	ty			



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	Viscosity, kinematic	:	No data available	9		
Exp	blosive properties	:	Not explosive			
Ox	dizing properties	:	The substance or mixture is not classified as oxidizing.			
10. STA	BILITY AND REACTIVITY	,				
Ch Pos tior Co Inc Ha	activity emical stability ssibility of hazardous reac- is nditions to avoid ompatible materials zardous decomposition ducts	:	Stable under norn Can react with sta None known. Oxidizing agents	a reactivity hazard. mal conditions. rong oxidizing agents. ecomposition products are known.		
11. TOX	CICOLOGICAL INFORMAT	101	N			
	ormation on likely routes of bosure	:	Inhalation Skin contact Ingestion Eye contact			
	ute toxicity t classified based on availa	ble	information.			
Pro	oduct:					
Act	ute oral toxicity	:	Acute toxicity estin Method: Calculation	mate: > 5,000 mg/kg on method		
Acı	ute dermal toxicity	:	Acute toxicity estin Method: Calculation	mate: > 5,000 mg/kg on method		
Co	mponents:					
	prolium:					
	ute oral toxicity	:	LD50 (Mouse): 3,9	980 mg/kg		
			LD50 (Rat): 4,000	) - 4,890 mg/kg		
			LD50 (Dog): > 500	0 ma/ka		
Acu	ute dermal toxicity	:	LD50 (Rat): > 2,00			
-	n corrosion/irritation					
	mponents:					
	prolium:					
	ecies	:	Rabbit			



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Result       i. No skin irritation         Serious eye damage/eye irritation         Causes serious eye damage.         Demonents:         Amprolium:         Series       Rabbit         Result       i. No eye irritation         Not classified based on available information.       Result         Amprolium       I. No classified based on available information.         Exposenents:       Demail         Species       i. Docal lymph node assay (LLNA).         Exposenents:       Demail         Species       i. Docal lymph node assay (LLNA).         Exposenents:       Demail         Species       i. Docal lymph node assay (LLNA).         Exposenents:       Demail         Moreal       Sensitiser         Benotoxicity in vitro       Fest Type: secterial reverse mutation assay (AMES)         Result: negative       Result: negative         Genotoxicity in vitro       Fest Type: Micronucleus test         Result: negative       Result: negative         Genotoxicity in vitro       Fest Type: insched	ersion .0	Revision Date: 28.09.2024		9S Number: 33877-00009	Date of last issue: 06.07.2024 Date of first issue: 21.05.2021
Causes serious eye damage.  Components:  Amprolium:  Species : Rabbit Result : No eye irritation  Respiratory or skin sensitisation  Kaspiratory or skin sensitisation  Not classified based on available information.  Respiratory sensitisation Not classified based on available information.  Components:  Amprolium:  Test Type : Local lymph node assay (LLNA) Exposure routes : Dermal Species : Mouse Result : Sensitiser  Gern cell mutagenicity Not classified based on available information.  Components:  Amprolium:  Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: positive  Genotoxicity in vitro : Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive  Genotoxicity in vitro : Test Type: in vitro micronucleus test Result: positive  Genotoxicity in vitro : Test Type: Micronucleus test Species: Mouse Cell type: Unvertice in Species: Result: negative  Test Type: In vitro micronucleus test Species: Mouse Cell type: Unvertice in Species: Result: negative  Cell type: Unvertice in Cell type: Unvertice in Cell type: Unvertice in Cell type: Chromosomal aberration Cell type: Diver cells	Resu	lt	:	No skin irritation	
Amprolium:         Species       : Rabbit         Result       : No eye irritation         Skin sensitisation         Not classified based on available information.         Respiratory sensitisation         Not classified based on available information.         Respiratory sensitisation         Not classified based on available information.         Components:         Amprolium:         Test Type       : Local lymph node assay (LLNA)         Exposure routes       : Dermal         Species       : Mouse         Result       : Sensitiser         Germ cell mutagenicity       Not classified based on available information.         Components:       Maprolium:         Genotoxicity in vitro       : Test Type: Bacterial reverse mutation assay (AMES)         Result: negative       Result: negative         Result: negative       Result: negative         Result: positive       Test Type: in vitro micronucleus test         Result: positive       Result: positive         Genotoxicity in vivo       : Test Type: Micronucleus test         Species: Mouse       Cell type: Bone marrow         Result: negative       Test Type: Bone marrow         Result: negative       Cell type: Liver cells <tr< td=""><td></td><td></td><td></td><td>on</td><td></td></tr<>				on	
Species       : Rabbit         Result       : No eye irritation         Skin sensitisation       Skin sensitisation         Skin sensitisation       Not classified based on available information.         Respiratory sensitisation       Not classified based on available information.         Respiratory sensitisation       Not classified based on available information.         Components:       Amprolium:         Test Type       : Local lymph node assay (LLNA)         Exposure routes       : Dermal         Species       : Mouse         Result       : Sensitiser         Germ cell mutagenicity       Not classified based on available information.         Not classified based on available information.       Components:         Amprolium:       : Sensitiser         Genotoxicity in vitro       : Test Type: Bacterial reverse mutation assay (AMES)         Result: negative       : Result: negative         Test Type: Chromosomal aberration       : Test Type: Chromosomal aberration         Test Type: in vitro micronucleus test       : Species: Mouse         Genotoxicity in vivo       : Test Type: Unscheduled DNA synthesis assay         Species: Rat       : Cell type: Liver cells	Com	ponents:			
Species       :       Rabbit         Result       :       No eye irritation         Skin sensitisation       Skin sensitisation         Not classified based on available information.       Respiratory sensitisation         Not classified based on available information.       Components:         Amprolium:       Ifest Type         Ifest Type       :       Local lymph node assay (LLNA)         Exposure routes       :       Dermal         Species       :       Mouse         Result       :       Sensitiser         Germ cell mutagenicity       Not classified based on available information.         Components:       Amprolium:         Genotoxicity in vitro       :       Test Type: Bacterial reverse mutation assay (AMES)         Result: negative       Result: negative         Result: positive       Test Type: Chromosomal aberration         Genotoxicity in vitro       :       Test Type: Invitro micronucleus test         Result: positive       Test Type: Bone marrow         Genotoxicity in vivo       :       Test Type: Unscheduled DNA synthesis assay         Species: Rat       Cell type: Liver cells	Amp	rolium:			
Skin sensitisation         Not classified based on available information.         Respiratory sensitisation         Not classified based on available information.         Components:         Amprolium:         Test Type       :         Local lymph node assay (LLNA)         Exposure routes       ::         Dermal         Species       ::         Mouse         Result       :         Sencies       :         Morrolium:         Gern cell mutagenicity         Not classified based on available information.         Components:         Amprolium:         Genotoxicity in vitro       :         Test Type: Chromosomal aberration         Test Type: in vitro micronucleus test         Result: positive         Test Type: in vitro micronucleus test         Result: positive         Genotoxicity in vivo       :         Test Type: Micronucleus test         Result: negative         Cell type: Bone marrow         Result: negative         Test Type: unscheduled DNA synthesis assay         Species: Rat         Cell type: Liver cells			:		
Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Amprolium: Test Type : Local lymph node assay (LLNA) Exposure routes : Dermal Species : Mouse Result : Sensitiser Germ cell mutagenicity Not classified based on available information. Components: Amprolium: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: Chromosomal aberration Test Type: in vitro micronucleus test Result: positive Genotoxicity in vivo : Test Type: Micronucleus test Result: positive Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Result: negative Test Type: unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells	Resp	iratory or skin sens	itisatio	'n	
Not classified based on available information. Components: Amprolium: Test Type : Local lymph node assay (LLNA) Exposure routes : Dermal Species : Mouse Result : Sensitiser Germ cell mutagenicity Not classified based on available information. Components: Amprolium: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive Test Type: in vitro micronucleus test Result: positive Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Result: negative Test Type: unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells	-		ailable	information.	
Amprolium:         Test Type       :       Local lymph node assay (LLNA)         Exposure routes       :       Dermal         Species       :       Mouse         Result       :       Sensitiser         Germ cell mutagenicity         Not classified based on available information.         Components:         Amprolium:         Genotoxicity in vitro       :       Test Type: Bacterial reverse mutation assay (AMES)         Result: negative       Test Type: Chromosomal aberration         Test system: Chinese hamster ovary cells       Result: positive         Test Type: in vitro micronucleus test       Result: positive         Genotoxicity in vivo       :       Test Type: Micronucleus test         Result: positive       Cell type: Bone marrow         Result: negative       Test Type: unscheduled DNA synthesis assay         Species: Rat       Cell type: Liver cells	-	•		information.	
Test Type       :       Local lymph node assay (LLNA)         Exposure routes       :       Dermal         Species       :       Mouse         Result       :       Sensitiser         Germ cell mutagenicity         Not classified based on available information.         Components:         Amprolium:         Genotoxicity in vitro       :       Test Type: Bacterial reverse mutation assay (AMES) Result: negative         Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive       Test Type: in vitro micronucleus test Result: positive         Genotoxicity in vivo       :       Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Result: negative         Genotoxicity in vivo       :       Test Type: unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells	Com	ponents:			
Test Type       :       Local lymph node assay (LLNA)         Exposure routes       :       Dermal         Species       :       Mouse         Result       :       Sensitiser         Germ cell mutagenicity         Not classified based on available information.         Components:         Amprolium:         Genotoxicity in vitro       :       Test Type: Bacterial reverse mutation assay (AMES) Result: negative         Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive       Test Type: in vitro micronucleus test Result: positive         Genotoxicity in vivo       :       Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Result: negative         Genotoxicity in vivo       :       Test Type: Unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells	Amp	rolium:			
Species       : Mouse         Result       : Sensitiser         Germ cell mutagenicity         Not classified based on available information.         Components:         Amprolium:         Genotoxicity in vitro       : Test Type: Bacterial reverse mutation assay (AMES) Result: negative         Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive         Test Type: in vitro micronucleus test Result: positive         Genotoxicity in vivo       : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Result: negative         Genotoxicity in vivo       : Test Type: unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells			:	Local lymph noc	le assay (LLNA)
Result       : Sensitiser         Germ cell mutagenicity Not classified based on available information.         Components:         Amprolium:         Genotoxicity in vitro       : Test Type: Bacterial reverse mutation assay (AMES) Result: negative         Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive         Genotoxicity in vivo       : Test Type: in vitro micronucleus test Result: positive         Genotoxicity in vivo       : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Result: negative         Test Type: unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells			:		
Gern cell mutagenicity Not classified based on available information. Components: Amprolium: Genotoxicity in vitro Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive Test Type: in vitro micronucleus test Result: positive Genotoxicity in vivo Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Result: negative Test Type: unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells			:		
Result: negative         Test Type: Chromosomal aberration         Test system: Chinese hamster ovary cells         Result: positive         Test Type: in vitro micronucleus test         Result: positive         Genotoxicity in vivo         :       Test Type: Micronucleus test         Species: Mouse         Cell type: Bone marrow         Result: negative         Test Type: unscheduled DNA synthesis assay         Species: Rat         Cell type: Liver cells	Not c <u>Com</u> Amp	lassified based on ave ponents: rolium:	ailable	information.	
Test system: Chinese hamster ovary cells         Result: positive         Test Type: in vitro micronucleus test         Result: positive         Genotoxicity in vivo         :       Test Type: Micronucleus test         Species: Mouse         Cell type: Bone marrow         Result: negative         Test Type: unscheduled DNA synthesis assay         Species: Rat         Cell type: Liver cells	Geno	toxicity in vitro	:		
Genotoxicity in vivo       : Test Type: Micronucleus test         Species: Mouse       Cell type: Bone marrow         Result: negative       Test Type: unscheduled DNA synthesis assay         Species: Rat       Cell type: Liver cells				Test system: Ch	
Species: Mouse Cell type: Bone marrow Result: negative Test Type: unscheduled DNA synthesis assay Species: Rat Cell type: Liver cells					ro micronucleus test
Species: Rat Cell type: Liver cells	Geno	toxicity in vivo	:	Species: Mouse Cell type: Bone	marrow
				Species: Rat Cell type: Liver	cells
Germ cell mutagenicity - : Weight of evidence does not support classification as a g	Germ	cell mutagenicity -	:	Weight of evider	nce does not support classification as a ge

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Asse	ssment		cell mutagen.	
	inogenicity classified based on avail	able	information.	
<u>Com</u>	ponents:			
Amp	rolium:			
Spec Expo Resu	sure time	:	Rat 2 Years negative	
•	oductive toxicity ected of damaging fertil	ity or	the unborn child.	
<u>Com</u>	ponents:			
Amp	rolium:			
Effec	ts on fertility	:	Result: Effects on	
Effec ment	ts on foetal develop-	:		
Repr sessi	oductive toxicity - As- ment	:		f adverse effects on sexual function and development, based on animal experiments.
STO	T - single exposure classified based on avail	able	information.	
STO	T - repeated exposure			
	es damage to organs (Cowed.	Centr	al nervous system)	through prolonged or repeated exposure if
<u>Com</u>	ponents:			
Expo Targe	<b>rolium:</b> sure routes et Organs ssment	:	Oral Central nervous s Causes damage t exposure.	ystem o organs through prolonged or repeated

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-	Repeated dose toxicity <u>Components:</u>								
	rolium:								
Spec NOAI Appli	ies EL cation Route sure time	: Rat : 20 mg/kg : Oral : 2 yr : Reduced	g d body weight						
Expo	EL cation Route sure time et Organs		kg nervous system n of the pupil, paralysis						
Expo	EL cation Route sure time et Organs								
-	ration toxicity lassified based on ava	ilable information	on.						
Expe	rience with human e	xposure							
Com	ponents:								
<b>Amp</b> Inhala	<b>rolium:</b> ation	•	Organs: Skin ns: Allergic reactions						
Eye contact Ingestion		: Target Or Symptom : Target Or	<ul> <li>Target Organs: Lungs</li> <li>Symptoms: Allergic reactions, Asthma</li> <li>Target Organs: Central nervous system</li> <li>Symptoms: Neurological disorders</li> </ul>						
12. ECOL	12. ECOLOGICAL INFORMATION								

Ecotoxicity						
Components:						
Amprolium:						
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203				
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 110 mg/l Exposure time: 48 h Method: OECD Test Guideline 202				



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Toxic plants	ity to algae/aquatic S	:	mg/l Exposure time:	kirchneriella subcapitata (green algae)): 100 72 h 9 Test Guideline 201	
	stence and degradab	ility			
Bioad	ccumulative potential				
<u>Com</u>	ponents:				
Partit	r <b>olium:</b> ion coefficient: n- ol/water	:	log Pow: -1.12 pH: 7		
	<b>lity in soil</b> ata available				
	r adverse effects ata available				
3. DISPC	SAL CONSIDERATIO	NS			
Dispo	osal methods				
Waste	e from residues	:		of waste into sewer. ccordance with local regulations.	
Conta	aminated packaging	:	Empty contained dling site for re-	ers should be taken to an approved waste har cycling or disposal. e specified: Dispose of as unused product.	
4. TRAN	SPORT INFORMATIO	N			
Interr	national Regulations				
UNR Not re	<b>FDG</b> egulated as a dangerou	is go	od		
IATA Not re	-DGR egulated as a dangerou	is go	od		
	<b>-Code</b> egulated as a dangerou	is go	od		
Transport in bulk according to IMO instruments Not applicable for product as supplied.					
Spec	ial precautions for us				



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#### **15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

The components of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

#### **16. OTHER INFORMATION**

Revision Date	:	28.09.2024
Further information		
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : dd.mm.yyyy

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evalua-

according to the Globally Harmonized System



#### **Amprolium Formulation**

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tion, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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